

Title (en)
Coreless Motor

Title (de)
Kernloser Motor

Title (fr)
Moteur sans noyau

Publication
EP 1432105 B1 20080220 (EN)

Application
EP 03257971 A 20031217

Priority
JP 2002365327 A 20021217

Abstract (en)
[origin: EP1432105A2] Coreless motor comprising a casing (1) with a two part coil yoke (7) positioned therein, a magnet holder (6) with a cylindrical portion (6a) fitted into a cylindrical boss (2) in the casing (1) and a ring magnet (5) mounted on its exterior and confronting the coil yoke (7). A spindle (4) is mounted by bearings (3) in the cylindrical portion (6a) of the magnet holder (6). A coil holder (9) mounted on the spindle (4) supports coils (8) each having flat arcuate portions which overlie upper and lower surfaces of the magnet (5) and curved-and-folded portions which overlie an external circumferential surface of the magnet. Each coil constituting a hollow unit. The lower flat coil portions are held in a gap between a flange (9a) extending outwardly from the spindle (4) and a lower annular reinforcing plate (10). The upper flat coil portions are connected to an upper annular reinforcing plate (15). <IMAGE>

IPC 8 full level
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